

P **Olea europaea**

Common Name(s)

Olive

How Used

F

	Chemical Plant Part	Low PPM	High PPM	StdDev Reference Citation
0	(+)-CYCLO-OLIVIL	Branches	--	-- Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
1	1-ACETOXYPINORESINOL	Bark	--	--
0	1-CAFFEYL-GLUCOSE	Fruit	--	-- Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	2-HYDROXYCINNAMIC-ACID	Fruit	--	--
0	3,4,5-TRIMETHOXYBENZOIC-ACID	Fruit	--	--
3	3,4-DIHYDROXYBENZOIC-ACID	Fruit	--	--
0	3,4-DIHYDROXYCINNAMIC-ACID	Fruit	--	--
1	3,4-DIHYDROXYPHENYLETHANOL	Fruit	--	--

Chemical Plant Part		Low PPM	High PPM	StdDev Reference Citation
0	3,4-DIHYDROXYPHENYLETHANOL-4-DIGLUCOSIDE	Fruit	--	--
				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	3,4-DIHYDROXYPHENYLETHANOL-4-MONOGLUCOSIDE	Fruit	--	--
				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	3,4-DIHYDROXYPHENYLETHYLALCOHOL	Fruit	--	--
				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3,4-DIHYDROXYPHENYLGlyCOL	Fruit	--	--
0	3,4-DIMETHOXY-BENZOIC-ACID	Fruit	--	--
0	4-HYDROXY-3,5-DIMETHOXYBENZOIC-ACID	Fruit	--	--
0	4-HYDROXY-3,5-DIMETHOXYCINNAMIC-ACID	Fruit	--	--
0	4-HYDROXY-3-METHOXY-BENZOIC-ACID	Fruit	--	--
0	4-HYDROXY-3-METHOXY-CINNAMIC-ACID	Fruit	--	--
0	4-HYDROXY-3-METHOXYPHENYLACETIC-ACID	Fruit	--	--
0	4-HYDROXY-BENZOIC-ACID	Fruit	--	--
1	4-HYDROXYCINNAMIC-ACID	Fruit	--	--
0	4-HYDROXYPHENYLACETIC-ACID	Fruit	--	--
0	4-HYDROXYPHENYLETHANOL	Fruit	--	--

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
32	AESCULETIN	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
33	AESCULIN	Stem	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
32	ALPHA-TOCOPHEROL	Oil	119	119	-0.5245207178888289	
101	APIGENIN	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	APIGENIN-7-DI-O-XYLOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	APIGENIN-7-GLUCOSIDE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ARABINOSE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ARACHIDIC-ACID	Fruit	300	800	-0.9242748149468218	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Leaf	61000	61000	-1.0192757962180106	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ASH	Twig	85000	85000		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Fruit	64000	294000	6.145904386315856	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
20	BENZOIC-ACID	Fruit	--	--		
9	BETA-AMYRIN	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
53	BETA-CAROTENE	Fruit	1.8	8.3	-0.13475687867360414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-SITOSTEROL-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	BORON	Fruit	1	4	-0.7233703732714263	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
102	CAFFEIC-ACID	Fruit	--	--		
28	CALCIUM	Leaf	11800	11800	-0.4535029254940107	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Fruit	610	2798	-0.24421056645985023	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Fruit	13000	60000	-3.8656198240600443	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

	Chemical Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	CARBOHYDRATES	Leaf	735000	735000	0.9793671996226729	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Twig	765000	765000		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	CATECHIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	CATECHOL	Fruit	--	--		
0	CATECHOL-MELANIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
20	CHOLINE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CHRYSOERIOL-7-O-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	CINCHONIDINE	Leaf	--	--		
7	CINCHONINE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
18	CINNAMIC-ACID	Fruit	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	CORNOSIDE	Fruit	--	--		
0	CRATAEGOLIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-GLUCOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CYANIDIN-3-MONOGLUCOSIDE	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	CYANIDIN-3-RHAMNOSYLGLUCOSYLGUCOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CYANIDIN-3-RUTINOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-1-ACETOXPINORESINOL-4'-BETA-D-GLUCOSIDE	Stem	--	--		
0	D-1-ACETOXPINORESINOL-4'-O-METHYL-ETHER	Stem	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	D-1-ACETOXPINORESINOL-4'-BETA-D-GLUCOSIDE	Stem	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	D-1-HYDROXPINORESINOL	Stem	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	D-1-HYDROXPINORESINOL-4'-O-METHYL-ETHER	Stem	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	D-ACETOXPINORESINOL	Stem	--	--		
0	DEMETHYLOLEOEUROPEIN	Leaf	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	DIHYDROCINCHONINE	Leaf	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	DIHYDROXYPHENYLPROPANE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
1	ELENOLIC-ACID	Leaf	--	--		
1	ELENOLIDE	Fruit	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation	
0	ERYTHRODIOL		Pericarp	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
30	ESCULETIN		Stem	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
29	ESCULIN		Stem	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
8	ESTRONE		Seed	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)	
0	FAT		Twig	61000	61000	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	FAT		Leaf	73000	73000	0.32954701699595224	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT		Fruit	127000	583000	3.811655015559721	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT		Seed	300000	300000	0.18231593776493718	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FIBER		Fruit	13000	60000	-0.7707375947396303	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER		Leaf	177000	177000	0.1912434448814181	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	FIBER	Twig		289000	289000	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	FRUCTOSE	Fruit		--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	GALACTOSE	Fruit		--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALACTURONIC-ACID	Fruit		--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
62	GALLIC-ACID	Fruit		--	--	
14	GAMMA-TOCOPHEROL	Oil		13	13	-1.2928436060535222
7	GLUCOSE	Fruit		--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HALLERIDONE	Fruit		--	--	
0	HYDROXYTYROSOL	Fruit		--	--	
6	IRON	Fruit		16	73	-0.237916857716136
75	KAEMPFEROL	Stem		--	--	Chemical Constituents of Oriental Herbs (3 diff. books)

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	KILOCALORIES	Fruit	1160	5320	2.520414879610462	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	L-OLIVIL	Resin, Exudate, Sap	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)	
0	LIGUSTROLIDE	Fruit	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	LIGUSTROSIDE	Leaf	--	--			
27	LINOLEIC-ACID	Fruit	10500	28000	0.03963765431531594	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
78	LUTEOLIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
2	LUTEOLIN-4'-O-GLUCOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	LUTEOLIN-5-O-GLUCOSIDE	Fruit	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
2	LUTEOLIN-7-O-GLUCOSIDE	Leaf	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
0	LUTEOLINTETRAGLUCOSIDE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
18	MANNITOL	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
6	MASLINIC-ACID	Hull Husk	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
6	MASLINIC-ACID	Petiole	--	--		
0	METHYL-DELTA-MASLINEATE	Leaf	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)	
6	MYRISTIC-ACID	Fruit	300	800	-0.23140306419865772	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	NUZHENIDE	Seed	--	--		
4	O-COUMARIC-ACID	Fruit	--	--		
64	OLEANOLIC-ACID	Petiole	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
64	OLEANOLIC-ACID	Hull Husk	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Fruit	122400	326400	2.0349289772973167	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	OLEOSIDE	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	OLEOSIDE-7-METHYL-ESTER	Bark	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	OLEUROPEIC-ACID	Root Bark	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
9	OLEUROPEIN	Leaf	--	--		
9	OLEUROPEIN	Plant	--	--		
0	OLEUROSIDE	Leaf	--	--		
0	OLIVIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	OLIVIN-4'-DIGLUCOSIDE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
25	P-COUMARIC-ACID	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
13	P-HYDROXY-BENZOIC-ACID	Fruit	--	--		
0	PAEONIDIN-3-GLUCOSIDE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	PAEONIDIN-3-RHAMNOSYLGLUCOSYLGUCOSIDE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
13	PALMITIC-ACID	Fruit	14250	38000	0.45131132359283294	
24	PECTIN	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
4	PHOSPHORUS	Fruit	170	780	-0.7399085002470773	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	900	900	-0.7490946137893574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PHYLLOQUINONE	Oil	--	0.8	-0.009552934025986311	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	PHYTATE	Fruit	20	170	-0.7194248374657674	
14	POTASSIUM	Fruit	550	2523	-1.3619193802913852	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Fruit	14000	64000	-0.6099277133540758	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	131000	131000	-0.8065074821542977	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Twig	89000	89000	-1	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	PROTOCATECHUIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
176	QUERCETIN	Stem	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-O-RUTINOSIDE	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
1	QUERCETIN-3-O-RHAMNOSIDE	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	QUINONE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RHAMNOSE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
7	SALICYLATES	Fruit	3	13	-0.2994650063622243	
0	SALIDROSIIDE	Seed	--	--		
0	SECO-IRIDOIDS	Leaf	--	--		
1	SODIUM	Fruit	24000	110092	10.255949931659968	
10	SQUALENE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Fruit	2100	5600	0.09215947418510027	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	SYRINGIC-ACID	Fruit	--	--		

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	TANNINS	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
1	TYROSOL	Fruit	--	--			
6	UVAOL	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.	
24	VANILLIC-ACID	Fruit	--	--			
20	VERBASCOSIDE	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	WATER	Fruit	782000	782000	0.04967376679366207	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	